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ZOSTERA, L.—*Z. marina*, L. ; common ; in fruit, Easthampton, Suffolk Co., *T. F. Allen*.

RUPPIA, L.—*R. maritima*, L. ; common ; Spuyten Duyvel, *Le Roy* ; on the bank of a brook near Chester, Morris Co., N. J., 1854, *Austin*.

POTAMOGETON, Tourn.—*P. natans*, L. ; common.—*P. oakesianus*, Robbins, Peekskill, *Le Roy*.—*P. hybridus*, Mchx. ; waters of the Hackensack, *Austin* ; Staten Island, Silver Lake, *W. H. L.* ; Wading River, *Miller*.—*P. amplifolius*, Tuckerman ; probably not uncommon ; Lake Mohegan, *W. H. L.*—*P. gramineus*, L. ; waters of the Hackensack, *Austin* : Var. *graminifolius*, Fries ; Jamaica, *W. H. L.*—*P. lucens*, L. ; waters of the Hackensack, *Austin* ; "In creeks," *Torr. Cat.*—*P. praelongus*, Wulfen ; Piermont, *Austin*.—*P. perfoliatus*, L. ; common ; Hackensack creeks.—*P. crispus*, L. ; common in Morris Co., and at Piermont, N. J., *Austin* ; Passaic, *W. H. L.*—*P. compressus*, L. ; waters of the Hackensack, *Austin*.—*P. pauciflorus*, Pursh ; "In the Passaic River and elsewhere," *Torr. Cat.* ; waters of the Hackensack, *Austin*.—*P. pusillus*, L. ; Hackensack and creeks, *W. H. L.*, *Austin* ; Train's Meadow, *Ruger*.—*P. pectinatus*, L. ; "Salt water ditches and shallow bays, near New York, and on Long Island." *State Flora* ; waters of the Hackensack, *Austin*.—*P. Robbinsii*, Oakes, waters of the Hackensack, *Austin*.

ALISMACEÆ.

TRIGLOCHIN, L.—*T. palustre*, L. ; *Gray's Manual*?—*T. maritimum*, L. ; New York Island, *Torr. Cat.* ; shores of Long Island.

ALISMA, L.—*A. Plantago*, L. : Var. *Americanum* ; common ; N. Y.

SAGITTARIA, L.—*S. variabilis*, Engelm. ; common, with most of the varieties ; N. Y.—*S. calycina*, Engelm. ; English Neighborhood, *Austin* ; Peekskill, *W. H. L.* : Var. *spongiosa* ; Peekskill, *W. H. L.*—*S. heterophylla*, Pursh ; Peekskill, *W. H. L.*?—*S. graminea*, Mchx. ; Jamaica, Flushing, *W. H. L.*—*S. pusilla*, Nutt. ; Hackensack streams, *Torr. Cat.* ; English Neighborhood, *Austin* ; Passaic, *W. H. L.* ; East New York, and Jamaica R. R., *Ruger*.

HYDROCHARIDACEÆ.

ANACHARIS, Richard.—*A. Canadensis*, Planchon ; common. Vid. § 36.

VALLISNERIA, Micheli.—*V. spiralis*, L., common, particularly in the waters of the Hackensack and Passaic.

95. Apocynum, No. 3.—Before proceeding it is necessary to make some explanations in reference to the statements in the previous article. The empty space in the upper part of the anther is really between the cells of what I called the *antherion* and an outer coat of the whole anther, which coat is prolonged into a point upward, and these points meeting serve, I presume, to shield the parts of the flower within from the weather. Again, the wider part of the base of the style is not so low down as the base of the anthers, but about half way between that and the dissepiment or partition between the upper and lower parts of the style. In speaking of the cell walls of the anther, I used the term generally, for convenience of descrip-